

Substitute Spec.
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SUBSTITUTE SPECIFICATION

SPECIFICATION Surface Acoustic Wave Filter

This application is a U.S. National phase application PCT
5 International Application PCT/JP04/012324.

Technical Field

The present invention relates to a surface acoustic wave filter used
for various communication devices.

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Prior Art

A conventional surface acoustic wave filter (hereinafter referred to as
SAW filter) will be described with reference to FIG. 14. The conventional
SAW filter has: first dielectric layer 72, second dielectric layer 78, cavity 80,
15 and metal plate 81. First dielectric layer 72 has, at the lower face thereof,
transmission terminal 68, reception terminal 69, antenna terminal 70, and
first ground electrode 71 and has, at the upper face thereof, transmission
lines 73, 74, 75, 76, and 77. Second dielectric layer 78, provided so as to
be opposed to transmission lines 73, 74, 75, 76, and 77, has at the upper face
20 thereof second ground electrode 79. Cavity member 80 is provided so as to
be opposed to second ground electrode 79 and has at the center thereof an
opening section to provide a hollow shape. The upper side of cavity
member 80 has metal plate 81 welded thereto to close the opening section of
cavity member 80, thereby providing a package.

25 Surface acoustic wave element 82 is mounted at the upper face of
second ground electrode 79. This surface acoustic wave element 82 is
provided so as not to have contact with cavity member 80 and metal plate 81.
With regards to the conventional SAW filter having the structure as
described above, the passage characteristic between transmission terminal